Answers Found Here SAXON MAKES TOUR To Motorists' Queries OF BORDER CAMPS

Motoring Department. The Times-

I would like to know the best way to

store my automobile for the winter. Would you kindly tell me if I would

have to remove the tires, water, oil, and

on blocks. Remove tubes, fold, and

keep in house; but replace shoes on rims. Wrap in burlap or sheeting to

protect from frost. Drain out all water

and removing plugs from pump and water jackets, is provided. Leave oil

teriorates. Dry batteries will be useless

next spring. Cover metal surface with

folds weaken the fabric. Noise may be due to worn clutch collar or sticking

clutch, causing gears to grind. To stop

Motoring Department, The Times—
While passing through Boston recently
I was told that ordinary tap water
could be used for the storage battery
yet the directions call for distilled
water. Is there any danger in using
tap waten? Also please tell me when
sulphuric acid should be added. E. C.
In some passing through Boston recently
to which should only be done by an
experienced machinist. *Use gasket of
thick paper put on with shellac to
prevent oil teakage. To prevent smoke
you will have to feed in the oil a little
at a time.

In some parts of the country the tap water is pure enough to be used in storage battery, but it is well to be careful. Most waters contain mineral salts which will damage the plates. Distilled water, is cheap and can be obtained at any drug store. Acid should never be put into a battery unless some electrolyte has leaked out or been spilled. Use chemically pure acid

have to remove the tires, water, oil, and gasolene, and is it best to leave the top up, or closed down? Would I have to take out the dry battery? Also let me know what causes a terrible noise when throwing the clutch, and if it does any harm to the car. What could I do to stop the leaking of the water and oil? Will be very thankful for any information. Motoring Department, The Times—What is the best way to winter a car? There is no heat in the garage, and I do not littend to use the car this winter. How should the storage battery be taken care of in the winter? What should be done with the tires? Please answer in motor column. H. W.

See answer to A. F. in this depart ment. The storage battery should left at a service station with direction to discharge and recharge every month The electrolyte cannot freeze if kept a 1,300, but will freeze readily between 20 and 30 degrees if discharged.

Motoring Department, The Times-Some of my motoring friends claim that the brakes must be applied gently and others apply them vigorously that the brakes must be vigorously and others apply them vigorously Please let us know which is right.

M. C. P.

tly, otherwise they are apt to lock wheels and cause them to skid. The on retarding effect is exerted between the brake and brake drum, while the wheel turns because of the traction between the rubber tire and the road. If the brakes are jammed on suddenly the wheels are locked and the car slides forward. The best way to stop the car is to throttle down when approaching the place, throw out the clutch, and allow the car to coast, grad ually applying the brakes.

Motoring Department, The Times— Occasionally I draw off a small quan-tity of water from my carburetor, al-though I have not had the car out in the rain. Where does it come from and what can I do to avoid it? A, N. C.

The water gets in from the underground tank, where it is condensed from the air. Being heavy it sinks to he bottom and is so drawn out first, It is poured into your tank and finds the outlet immediately running down into your carburetor, if one is not already provided, and open it occasionally. This will carry off sediment, as well as water and so forestall trouble. Also provide a chamols akin for your funnel and pour the gasoline through it. This should end all troubles from water and to a great

Motoring Department, The Times-I have obtained a hydrometer for my storage battery, following your advice, but if it becomes broken I should not be able to test the battery. Please let me know through the motoring department if there is any other way of testing a battery. I am frequently a long way from any assistance and like to have several methods to fall back on several methods to fall back on.
O. C. J.

Carry a voltmeter and test battery or lights, 2.25 v. per cell shows full charge and 1.8 v. shows discharge. A small trouble lamp may be used. small trouble lamp may be used. If it burns dimly the battery is low, but this gives you no warning in advance. The bydrometer is best and will last for hydrometer is best and will last for years if carefully protected against

Motoring Department. The Times-What should the driver do while the car is skidding? Some tell me it is best to steer the way the car is going and others say to put on the brakes to hold the wheels and steer the way you want to go. Will this bring the head of the car in the right direction?

S. T. L.

The car should be pointed in the direction it is trying to go and the brakes applied gently. wheels going in the right direction you can get traction and so hold the car by means of the brakes. If you jam the brakes on hard the wheels will continue to skid. This will not bring the head around, but will make matters

Motoring Department, The Times—Would like to have your advice on the following questions: A slight knock developed in our engipe. I took it to a garage and asked the foreman what it was. He said probably a bearing. I took it to the shop and they tightened up bearings, etc., and the knock could not be heard. Only one week had passed when the same knock came back. Some people tell me it is in the wrist pin. When the engine runs with spark retarded it can be heard more distinctly. I would like to have your opinion of above. I hope to see this answer in the automobile page, and I thank you in advance for same.

P. S.—What advantage has an overhead camshaft to others? Would a correspondence course in automobile engineering help a fellow to know about an automobile?

E. J. S.

The only thing to do is to keep hunt-

The only thing to do is to keep hunting until the cause of the knock is found. One of the bearings may have loosened or it may be a loose wrist pin. worn piston (giving piston slap), or glowing carbon. If flywheel is fastened to shaft by a key, that may be loose. Also look for a glowing point of metal in cylinder heads. The overhead camshaft is more accessible, but it requires more attention for oiling and is apt to become noisy. There are several good correspondence courses, but for the man who simply wants to understand his car and take good care of it careful reading and consultation with experienced men should give him all the information necessary,

Motoring Department. The Times—I have a 1913 Twin X motorcycle, and I want to repair engine and put in some new engine bearings. I would like to know the beat way to remove the old brass bearings and fit the new bearings in without cracking the crank case? Could I use bearings made of Babbitt? Do you think it advisable to use the brass bearings made by the manufacturers? I would like to know the beat way of putting the crank case together to prevent the oil from leaking out around joint. When I put a little oil in the crank case the engine smokes badly and when engine is not smoking (oil coming out of the exhausts). I can take out drain screw and the crank case is empty. One engine bearing leaks badly. I thank you for the above information in any way you can advise me.

Babbitt bearings might be too soft. If old bearings do not come off readcape chiscl. The new bearings

Goes From San Antonio to San Diego Over Many Bad Roads Along Border.

STORAGE BATTERY

Your starting battery must have its drink of distilled water every ten days, or it is going to get sick on your hands, and it will usually do this at the most critical time-right in the dead of win-

Along Border.

Just recently a Saxon Six touring car made a run from San Antonio, Tex., to San Diego, Cal., taking in every militia, camp on the border and traversing roads in the Texas wastes that never before have felt the wheels of a motor car. It carried representatives of a motion picture company.

Starting from San Antonio, the party of movie operators encountered the severest rain storms that have swept across that section of the country in twenty-two years. Near Finley, Tex. the Saxon plowed through miles and miles of mud up to the axies.

Unlike the usual border trip, which follows a more or less beaten path the route of the "movie" car was circuitous and led into the desert country. Uncle Sam's seldiery, late militianes of the forty-eight States, are not all, encamped along the main trails. They are lodged in little passes, at waterholes, and along the bluffs of the Rio Grande, miles from villages or railroad.

Between Del Rio and Juno, Tex., the Saxon forded the Devil's river in five places. Out of Lanne Grande it traveleds a road that motor car had never taken hefors and at San Ignatio ran ling heavy rains and high water that threatened to halt the trip. The Saxon, however, went through the flood district without trouble.

and get unnecessarily alarmed about their batteries, for the addition of water first will give an inaccurate reading. It is to be remembered that a weak battery is very likely to freeze in winter. This always oracks the hard rubber fars and ruins the battery. It cannot nappen to a fully charged battery. Comequently owners should always look to their batteries very carefully in the cold months."

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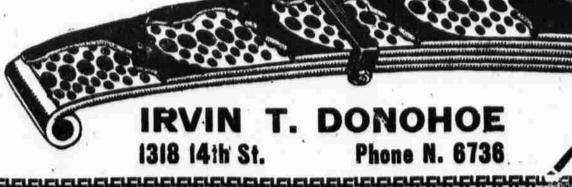
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